TABLE OF CONTENTS

Volume 88

ARTICLES

C. P. KIM and D. ENTEKHABI / Feedbacks in the Land-Surface and Mixed-Layer Energy Budgets 1–21

BRANKO GRISOGONO, LINDA STRÖM and MICHAEL TJERNSTRÖM / Small-Scale Variability in the Coastal Atmospheric Boundary Layer 23–46

S. MONDON and J. L. REDELSPERGER / A Study of a Fair Weather Boundary Layer in Toga-Coare: Parameterization of Surface Fluxes in Large Scale and Regional Models for Light Wind Conditions 47–76

A. M. REYNOLDS / On Trajectory Curvature as a Selection Criterion for Valid Lagrangian Stochastic Dispersion Models 77–86

C. HUNTINGFORD and J. L. MONTEITH / The Behaviour of a Mixed-Layer Model of the Convective Boundary Layer Coupled to a Big Leaf Model of Surface Energy Partitioning 87–101

ASHOK K. LUHAR / An Analytical Slab Model for the Growth of the Coastal Thermal Internal Boundary Layer Under Near-Neutral Onshore Flow Conditions 103–120

SAMIR KHANNA / Comparison of Kansas Data with High-Resolution Large-Eddy Simulation Fields 121–144

KATJA HENJES / Justification of the Inertial Dissipation Technique in Anisotropic Mean Flow 161–180

S. GALMARINI, C. BEETS, P. G. DUYNKERKE and J. VILÀ-GUERAU DE ARELLANO / Stable Nocturnal Boundary Layers: A Comparison of One-Dimensional and Large-Eddy Simulation Models 181–210

ROLF CIESZELSKI / A Case Study of Rayleigh-Bénard Convection with Clouds 211–237

SEE CHUN KOT and YU SONG / An Improvement of the Louis Scheme for the Surface Layer in an Atmospheric Modelling System 239–254

L. MAHRT, JIELUN SUN, WILLIAM BLUMEN, TONY DELANY and STEVE ONCLEY / Nocturnal Boundary-Layer Regimes 255–278

M. J. BEST / A Model to Predict Surface Temperatures 279–306

KOEN DE RIDDER / The Impact of Vegetation Cover on a Sahelian Drought Persistence 307–321

NIGEL WOOD, FIONA E. HEWER and STEPHEN E. BELCHER / Comments on 'Stably Stratified Boundary-Layer Flow over Low Hills: A Comparison of Model Results and Field Data', by Wensong Weng 323–332

WENSONG WENG / Reply to Comments by Wood, Hewer and Belcher on 'Stably Stratified Boundary-Layer Flow over Low Hills: A Comparison of Model Results and Field Data' (1997) 333–340

PHILIPPE DROBINSKI, ROBERT A. BROWN, PIERRE H. FLAMANT and JACQUES PELON / Evidence of Organized Large Eddies by Ground-Based Doppler Lidar, Sonic Anemometer and Sodar 343–361

HONG-BING SU, ROGER H. SHAW, KYAW THA PAW U, CHIN-HOH MOENG and PETER P. SULLIVAN / Turbulent Statistics of Neutrally Stratified Flow within and above a Sparse Forest from Large-Eddy Simulation and Field Observations 363–397

B. M. KOPROV, S. L. ZUBKOVSKY, V. M. KOPROV, M. I. FORTUS and T. I. MAKAROVA / Statistics of Air Temperature Spatial Variability in the Atmospheric Surface Layer 399–423

FERNANDO PORTÉ-AGEL, CHARLES MENEVEAU and MARC B. PARLANGE / Some Basic Properties of the Surrogate Subgrid-Scale Heat Flux in the Atmospheric Boundary Layer 425–444

YIHAU WU and SETHU RAMAN / The Summertime Great Plains Low Level Jet and the Effect of its Origin on Moisture Transport 445–466

A. M. REYNOLDS / A Lagrangian Stochastic Model for the Trajectories of Particle Pairs and its Application to the Prediction of Concentration Variance within Plant Canopies 467–478

K. G. McNAUGHTON and J. LAUBACH / Unsteadiness as a Cause of Non-Equality of Eddy Diffusivities for Heat and Vapour at the Base of an Advective Inversion 479–504

Announcement 505

Research Note

JIANMIN MA and S. M. DAGGUPATY / Stability Dependence of Height Scales and Effective Roughness Lengths of Momentum and Heat Transfer over Roughness Changes 145–160

Volume Contents 507–508

Author Index 509

Subject Index 511

The 'KLUWER' LaTeX Style File 341, 513